

AMENDMENTS TO THE SPECIFICATION

Please amend paragraph [0035] on page 12, as follows:

As an example, a test pulse signal converted into an optical ~~a~~-signal is transmitted to the pulse signal demodulation device, and the reception waveform information calculating section generates the reception waveform information based on a waveform of the test pulse signal output from the optical-to-electrical conversion section.

Please amend paragraph [0066] on page 26, as follows:

The multiplication section 51 multiplies the received signal with the template signal, and outputs the resultant product value to the integration section ~~value~~-52.

Please amend paragraph [00134] on pages 49-50, as follows:

FIG. 12(c) is a diagram illustrating a waveform of a signal output from the first amplitude/phase setting section 421. FIG. 12(d) is a diagram illustrating a waveform of a signal output from the second amplitude/phase setting section 422. FIG. 12(e) is a diagram illustrating a waveform of a signal output from the third amplitude/phase setting ~~section-421~~ 423. The functions of the sine wave generating sections 411 to 413, the amplitude/phase setting sections 421 to 423 and the wave combining section 43 are similar to those of the third embodiment and will not be described.